

Surge protection device set - PV-SET MULTISTRING - 2880066

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Surge protection, generator disconnect and test terminal blocks in IP65 housing, pluggable varistors with thermal disconnect between L+, L- and Ground/PE for an inverter with six photovoltaic strings.



Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4017918959654

Technical data

Dimensions

Height	300000 mm
Width	300 mm
Depth	142 mm

Ambient conditions

Degree of protection	IP65
Ambient temperature (operation)	-25 °C ... 70 °C

General

Housing material	Polystyrene
Flammability rating according to UL 94	V0 2
Color	light grey RAL 7035
Standards for clearances and creepage distances	DIN VDE 0110-1
	IEC 60664-1
	DIN EN 61643-11
Overvoltage category	III
Degree of pollution	2
Mounting type	Surface/Wall mounting
Type	Installation housing

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General

Surge protection fault message	optical
Direction of action	(L+)-PE & (L-)-PE & (L+)-(L-)

Protective circuit

IEC test classification	II
	T2
EN type	T2
Maximum continuous operating voltage U_C	500 V DC (to earth)
Rated load current I_L	≤ 30 A (Isc stc)
Residual current I_{PE}	≤ 100 μ A
Standby power consumption P_C	≤ 50 mW
Max. discharge current I_{max} (8/20) μ s	40 kA
Nominal discharge current I_n (8/20) μ s	20 kA
Voltage protection level U_p	≤ 2.7 kV (with V wiring)
Response time t_A	≤ 25 ns
Max. backup fuse with V-type through wiring	not necessary up to 500 V / 30 A

Connection, protective circuit

Connection method	Screw terminal blocks
Connection method IN	URTK/SP
Connection method OUT	URTK/SP
Connection technology	Screw connection
Conductor cross section flexible min.	0.5 mm ²
Conductor cross section flexible max.	6 mm ²
Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	10 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	8

Standards and Regulations

Standards/regulations	IEC 61643-1
	DIN EN 61643-11
	IEC 60364-7-712

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